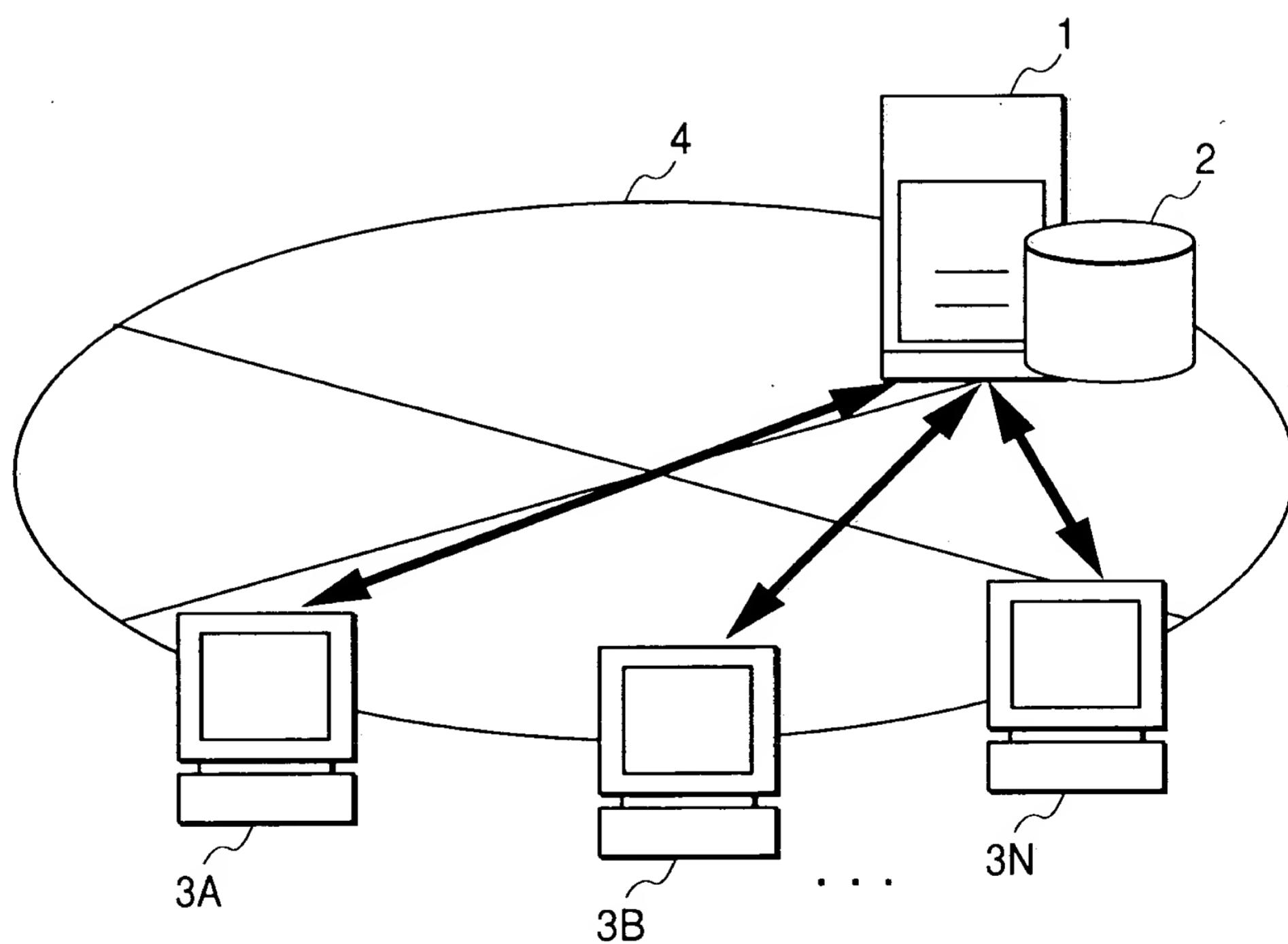
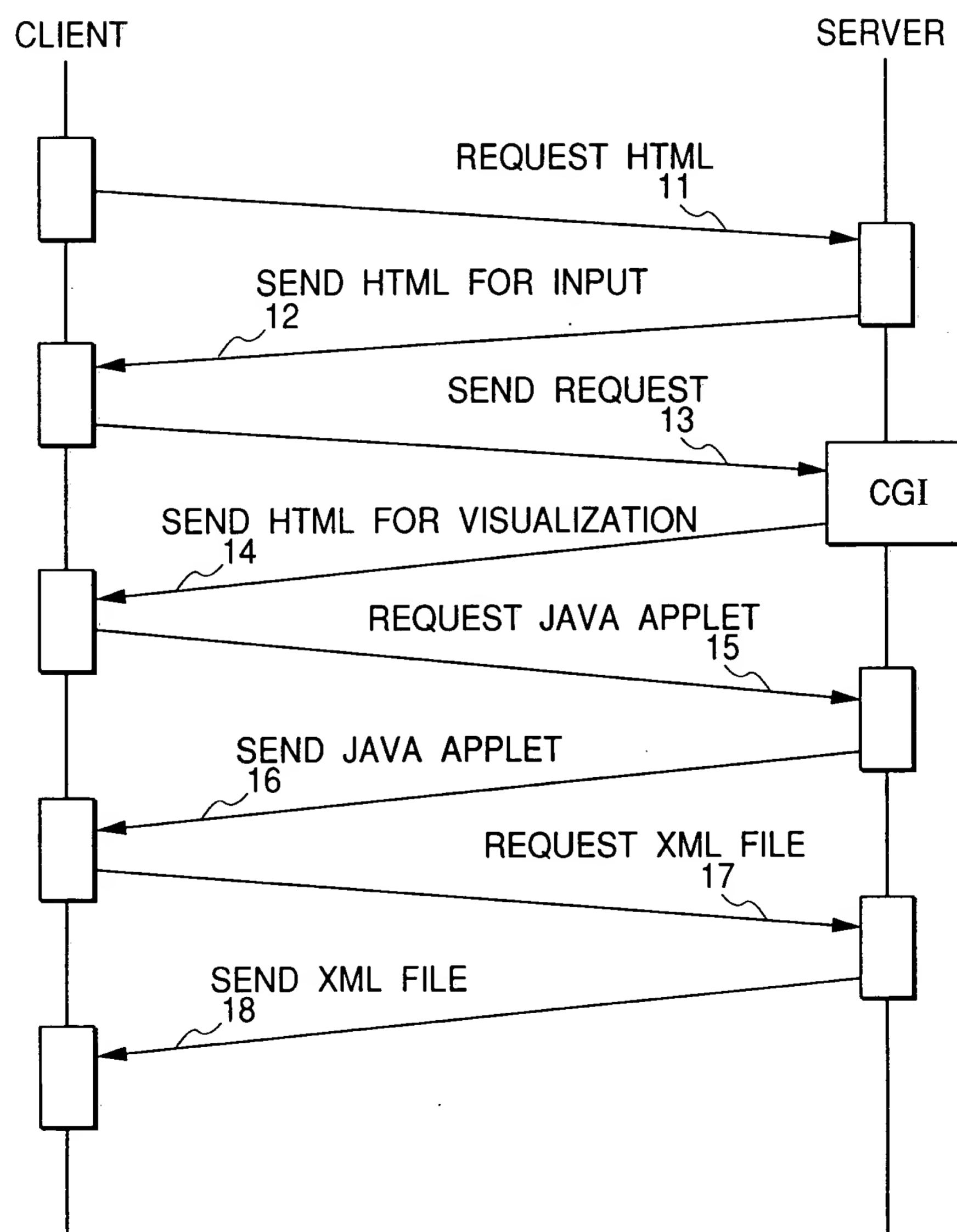


FIG. 1



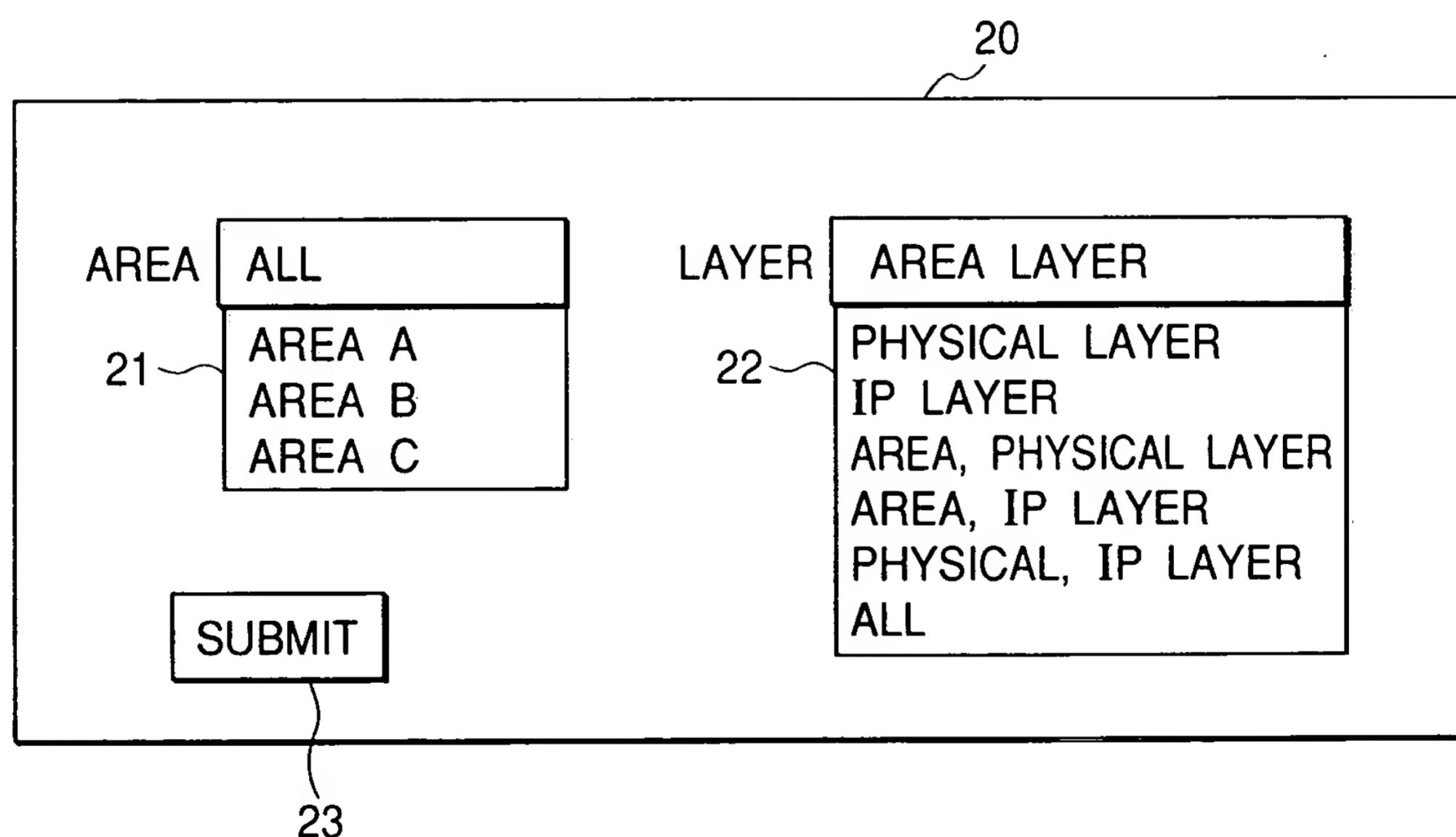
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FIG. 2



3 / 25

## FIG. 3



4 / 25

FIG. 4

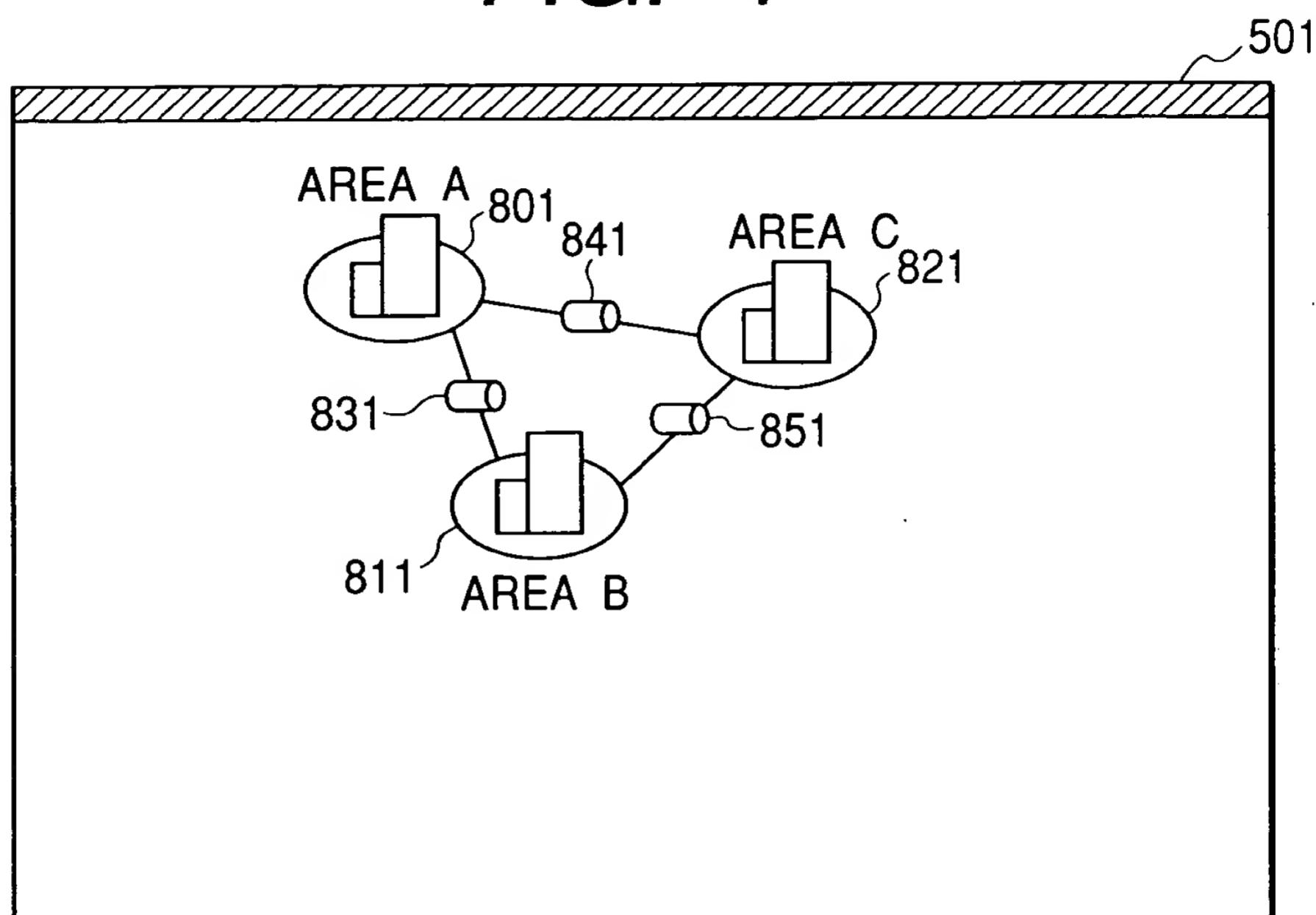
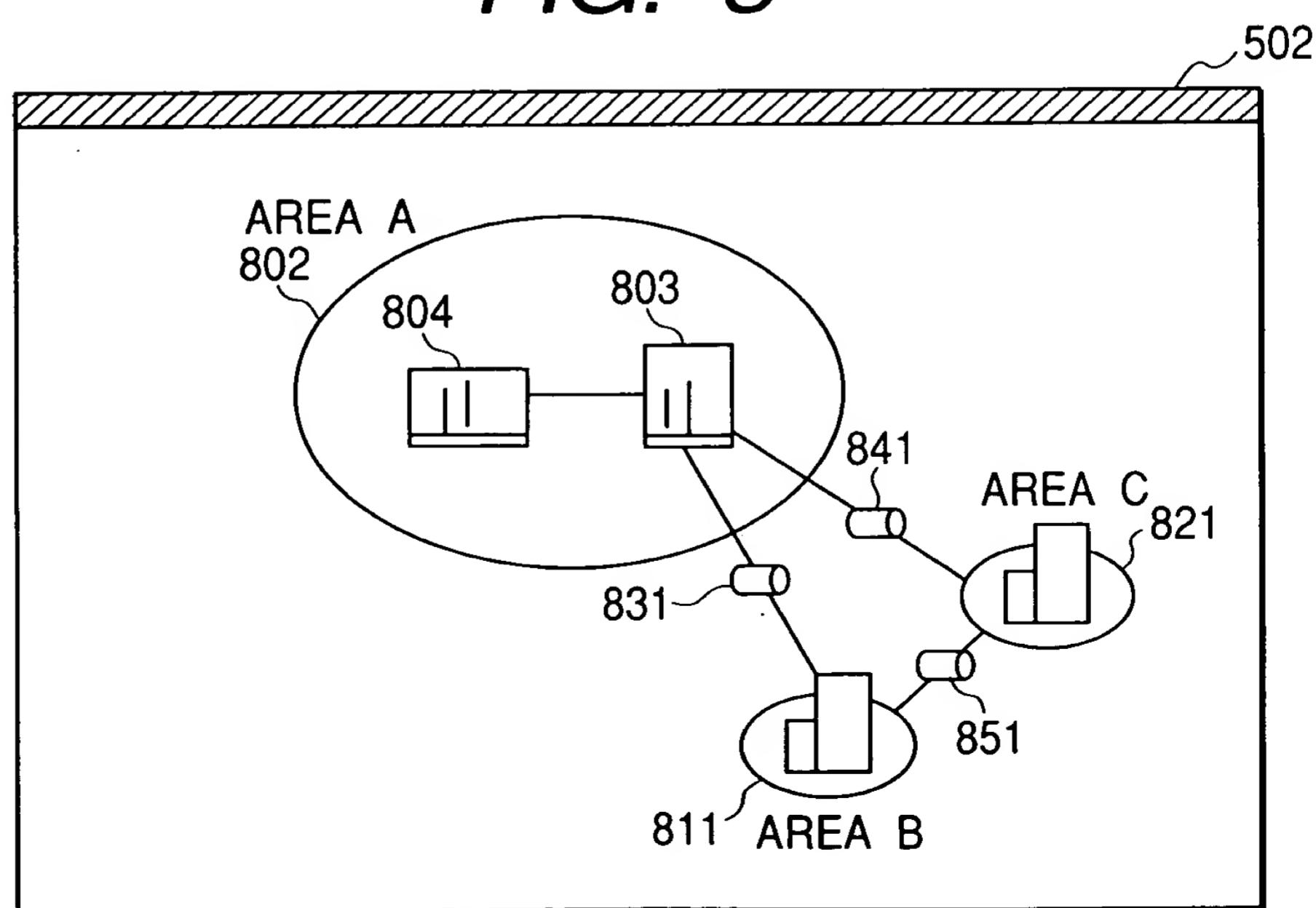


FIG. 5



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FIG. 6

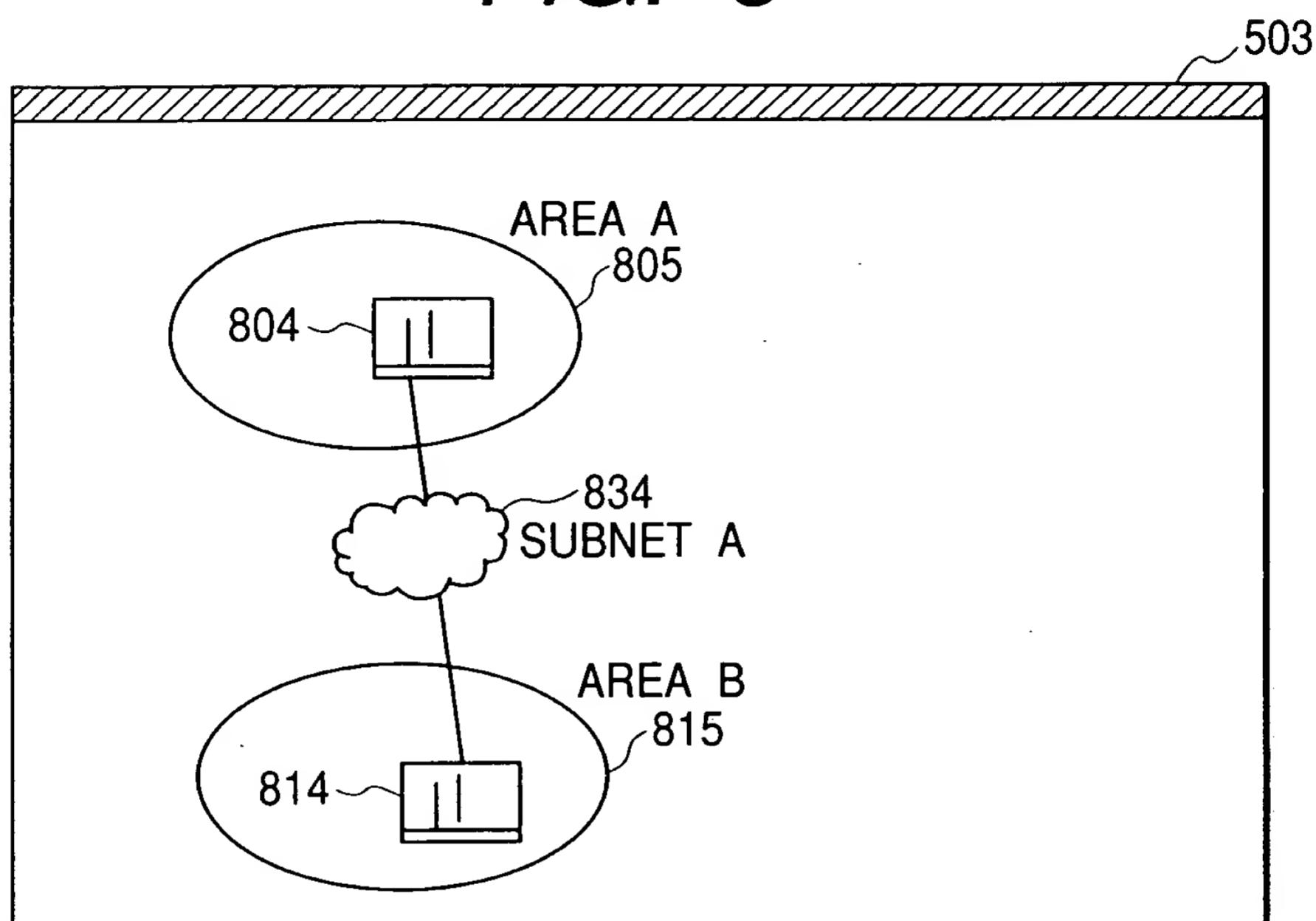
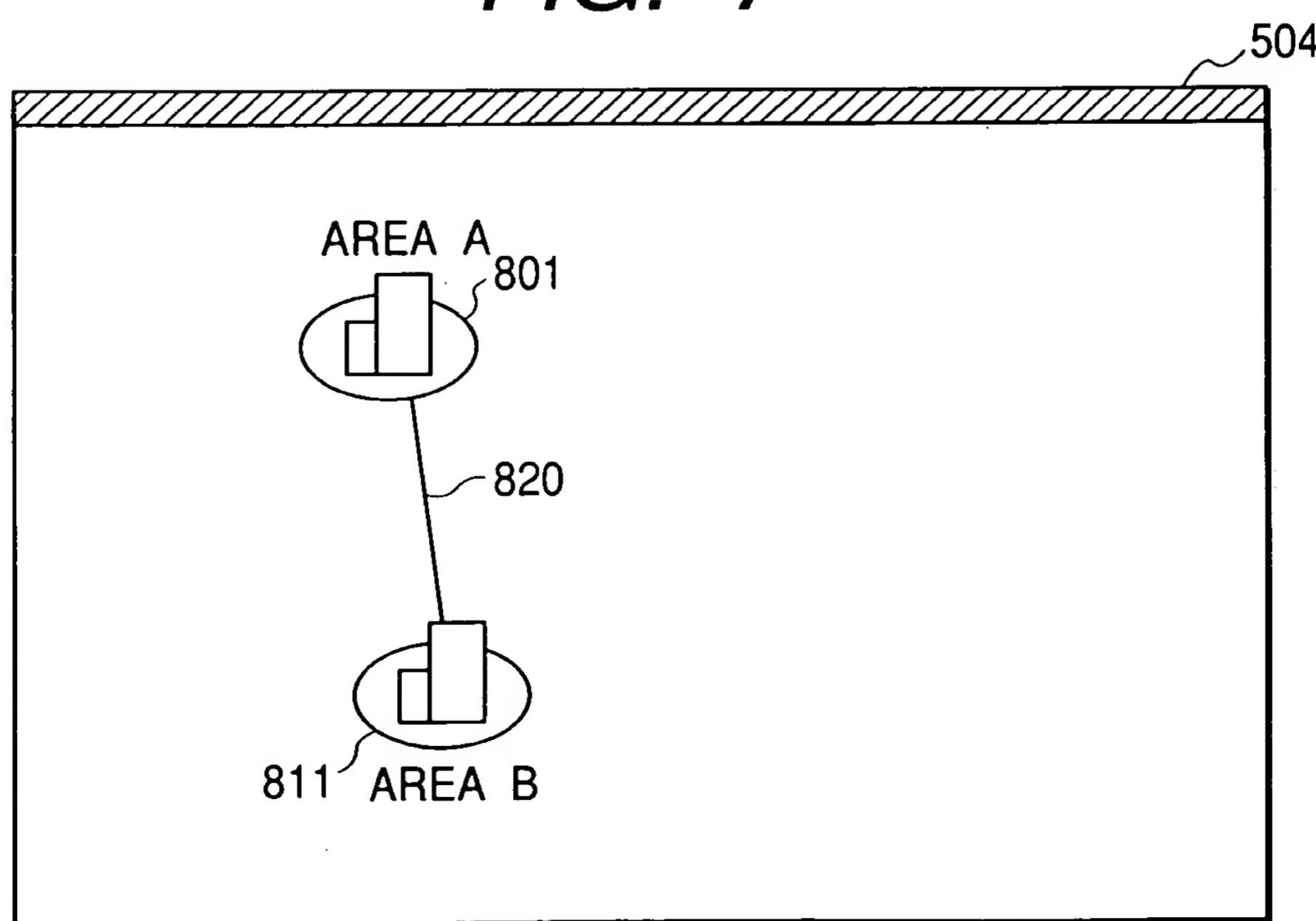


FIG. 7



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FIG. 8

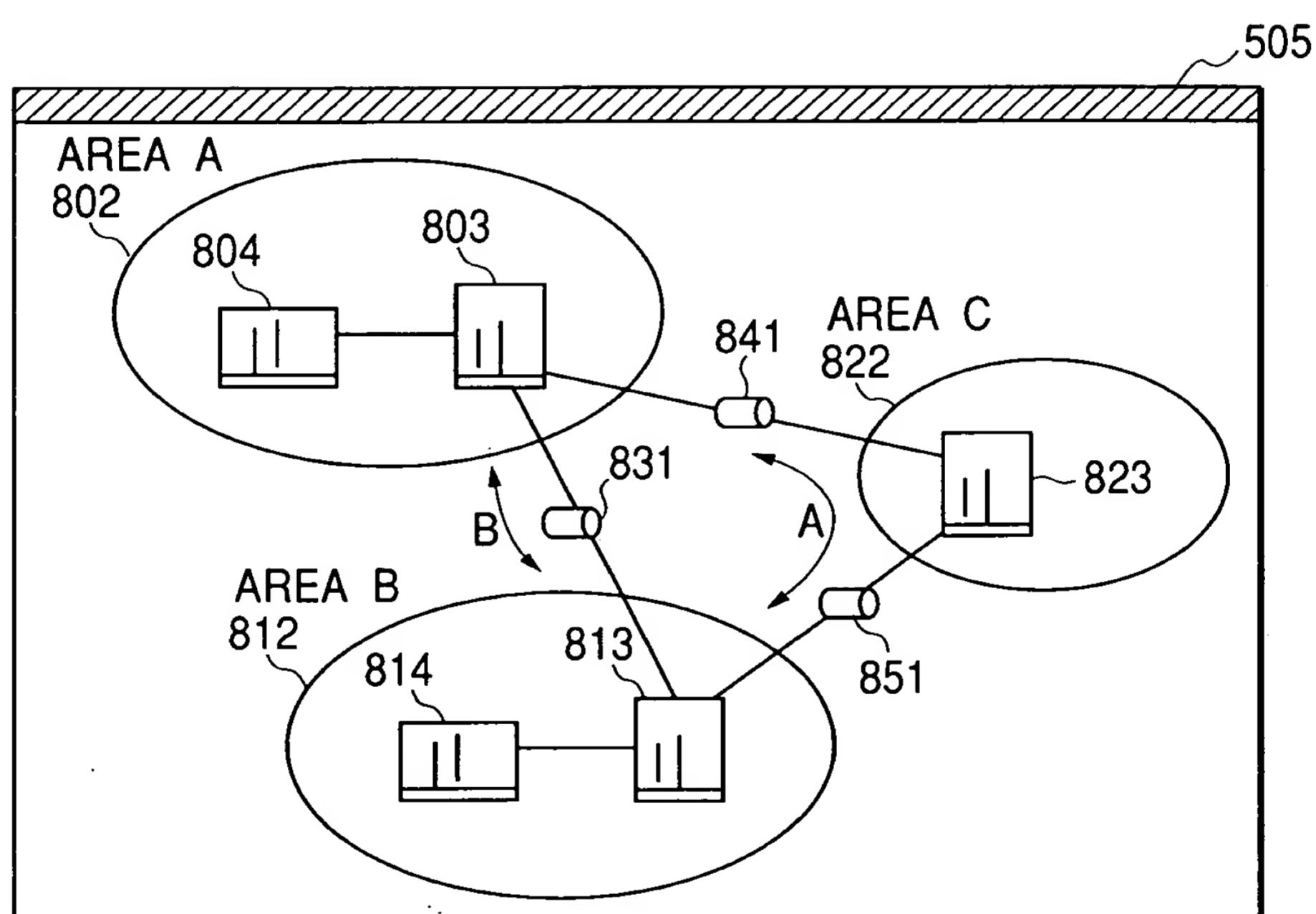
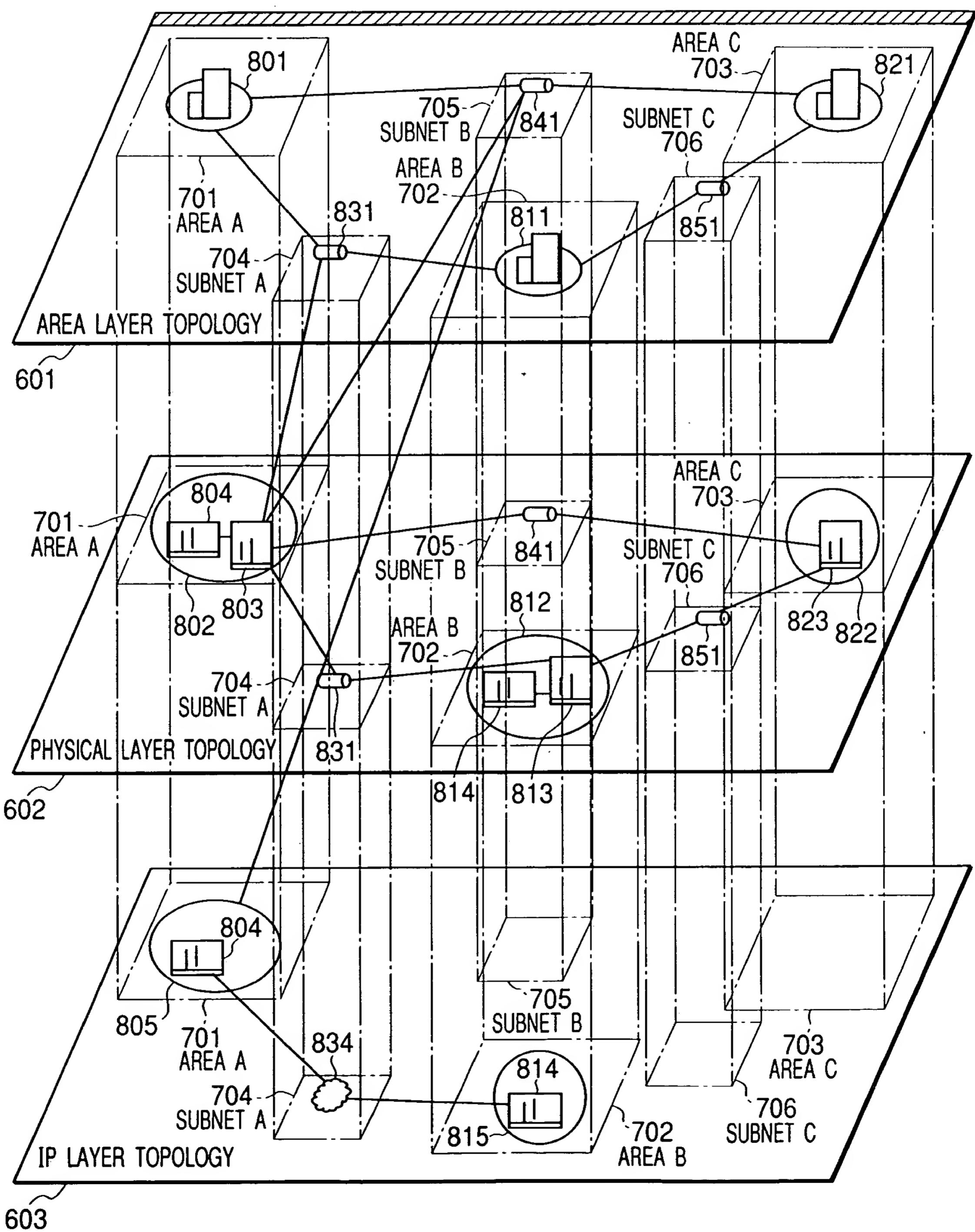


FIG. 9



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## FIG. 10

210-1

```
1 <equip name="router804">
2   <position x="20" y="50" w="40" h="20"/>
3   <icon url="http://foo/router.gif"/>
4 </equip>
5 <equip name="atm-sw803">
6   <position x="30" y="10" w="20" h="30"/>
7   <icon url="http://foo/atm-sw.gif"/>
8 </equip>
9 <equip name="router814">
10  <position x="20" y="50" w="40" h="20"/>
11  <icon url="http://foo/router.gif"/>
12 </equip>
13 <equip name="atm-sw813">
14   <position x="30" y="10" w="20" h="30"/>
15   <icon url="http://foo/atm-sw.gif"/>
16 </equip>
17 <equip name="atm-sw823">
18   <position x="30" y="10" w="20" h="30"/>
19   <icon url="http://foo/atm-sw.gif"/>
20 </equip>
21 <location name="A-relay801">
22   <position x="5" y="5" w="20" h="20"/>
23   <icon url="http://foo/relay.gif"/>
24 </location>
25 <location name="A-relay802">
26   <position x="0" y="0" w="100" h="100"/>
27   <icon url="http://foo/relay.2.gif"/>
28 </location>
29 <location name="A-relay805">
30   <position x="0" y="0" w="60" h="50"/>
31   <icon url="http://foo/relay.3.gif"/>
32 </location>
```

## FIG. 11

210-2

```
33  <location name="B-relay811">
34  <position x="0" y="0" w="20" h="20"/>
35  <icon url="http://foo/relay.gif"/>
36  </location>
37  <location name="B-relay812">
38  <position x="0" y="0" w="100" h="100"/>
39  <icon url="http://foo/relay.2.gif"/>
40  </location>
41  <location name="B-relay815">
42  <position x="0" y="0" w="100" h="100"/>
43  <icon url="http://foo/relay.3.gif"/>
44  </location>
45  <location name="C-relay821">
46  <position x="0" y="0" w="20" h="20"/>
47  <icon url="http://foo/relay.gif"/>
48  </location>
49  <location name="C-relay822">
50  <position x="0" y="0" w="30" h="30"/>
51  <icon url="http://foo/relay.4.gif"/>
52  </location>
53  <net name="netA831">
54  <position x="0" y="0" w="10" h="10"/>
55  <icon type="http://foo/physicalNet.gif"/>
56  </net>
57  <net name="netA834">
58  <position x="0" y="0" w="10" h="10"/>
59  <icon type="http://foo/logicalNet.gif"/>
60  </net>
61  <net name="netB841">
62  <position x="0" y="0" w="10" h="10"/>
63  <icon type="http://foo/physicalNet.gif"/>
64  </net>
65  <net name="netC851">
66  <position x="0" y="0" w="10" h="10"/>
67  <icon type="http://foo/physicalNet.gif"/>
68  </net>
```

## FIG. 12

220-1

```
1 <LOVD name="A-relay-LOVD" x="10" y="10">
2   <level num="1" w="30" h="30">
3     <obj name="A-relay801"/>
4   </level>
5   <level num="2" w="100" h="100">
6     <obj name="A-relay802"/>
7     <obj name="router804"/>
8     <obj name="atm-sw803"/>
9   </level>
10  <level num="3" w="60" h="50">
11    <obj name="A-relay805"/>
12    <obj name="router804"/>
13  </level>
14 </LOVD>
15 <LOVD name="B-relay-LOVD" x="20" y="70">
16   <level num="1" w="30" h="30">
17     <obj name="B-relay811"/>
18   </level>
19   <level num="2" w="100" h="100">
20     <obj name="B-relay812"/>
21     <obj name="router814"/>
22     <obj name="atm-sw813"/>
23   </level>
24   <level num="3" w="60" h="50">
25     <obj name="B-relay815"/>
26     <obj name="router814"/>
27   </level>
28 </LOVD>
29 <LOVD name="C-relay-LOVD" x="70" y="20">
30   <level num="1" w="30" h="30">
31     <obj name="C-relay821"/>
32   </level>
33   <level num="2" w="40" h="50">
34     <obj name="C-relay822"/>
35     <obj name="atm-sw823"/>
36   </level>
37 </LOVD>
```

## FIG. 13

220-2

```
38 <LOVD name="netA-LOVD" x="25" y="50">
39   <level num="1" w="10" h="10">
40     <obj name="netA831"/>
41   </level>
42   <level num="2" w="10" h="10">
43     <obj name="netA831"/>
44   </level>
45   <level num="3" w="10" h="10">
46     <obj name="netA834"/>
47   </level>
48 </LOVD>
49 <LOVD name="netB-LOVD" x="50" y="30">
50   <level num="1" w="10" h="10">
51     <obj name="netB841"/>
52   </level>
53   <level num="2" w="10" h="10">
54     <obj name="netB841"/>
55   </level>
56 </LOVD>
57 <LOVD name="netC-LOVD" x="60" y="60">
58   <level num="1" w="10" h="10">
59     <obj name="netC851"/>
60   </level>
61   <level num="2" w="10" h="10">
62     <obj name="netC851"/>
63   </level>
64 </LOVD>
65 <init_LOVD num="1"/>
```

## FIG. 14

<pre> 1 &lt;connection name="A-relay801"&gt; 2   &lt;obj name="netA831"/&gt; 3 &lt;/connection&gt; 4 &lt;connection name="A-relay801"/&gt; 5   &lt;obj name="netB841"/&gt; 6 &lt;/connection&gt; 7 &lt;connection name="B-relay811"/&gt; 8   &lt;obj name="netA831"/&gt; 9 &lt;/connection&gt; 10 &lt;connection name="B-relay811"/&gt; 11   &lt;obj name="netC851"/&gt; 12 &lt;/connection&gt; 13 &lt;connection name="C-relay821"&gt; 14   &lt;obj name="netB841"/&gt; 15 &lt;/connection&gt; 16 &lt;connection name="C-relay821"&gt; 17   &lt;obj name="netC851"/&gt; 18 &lt;/connection&gt; </pre>	230	<pre> 19 &lt;connection name="atm-sw803"&gt; 20   &lt;obj name="netA831"/&gt; 21 &lt;/connection&gt; 22 &lt;connection name="atm-sw803"&gt; 23   &lt;obj name="netB841"/&gt; 24 &lt;/connection&gt; 25 &lt;connection name="atm-sw813"&gt; 26   &lt;obj name="netA831"/&gt; 27 &lt;/connection&gt; 28 &lt;connection name="atm-sw813"&gt; 29   &lt;obj name="netC851"/&gt; 30 &lt;/connection&gt; 31 &lt;connection name="atm-sw823"&gt; 32   &lt;obj name="netB841"/&gt; 33 &lt;/connection&gt; 34 &lt;connection name="atm-sw823"&gt; 35   &lt;obj name="netC851"/&gt; 36 &lt;/connection&gt; 37 &lt;connection name="router804"&gt; 38   &lt;obj name="atm-sw803"/&gt; 39 &lt;/connection&gt; 40 &lt;connection name="router814"&gt; 41   &lt;obj name="atm-sw813"/&gt; 42 &lt;/connection&gt; 43 &lt;connection name="router804"&gt; 44   &lt;obj name="netA834"/&gt; 45 &lt;/connection&gt; 46 &lt;connection name="router814"&gt; 47   &lt;obj name="netA834"/&gt; 48 &lt;/connection&gt; 49 &lt;connection name="A-relay805"/&gt; 50   &lt;obj name="netB841"/&gt; 51 &lt;/connection&gt; </pre>
--	-----	---

FIG. 15

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1	<relation name="netA834">
2	<obj name="atm-sw803"/>
3	<obj name="netB841"/>
4	<obj name="atm-sw823"/>
5	<obj name="netC851"/>
6	<obj name="atm-sw813"/>
7	</relation>

FIG. 16

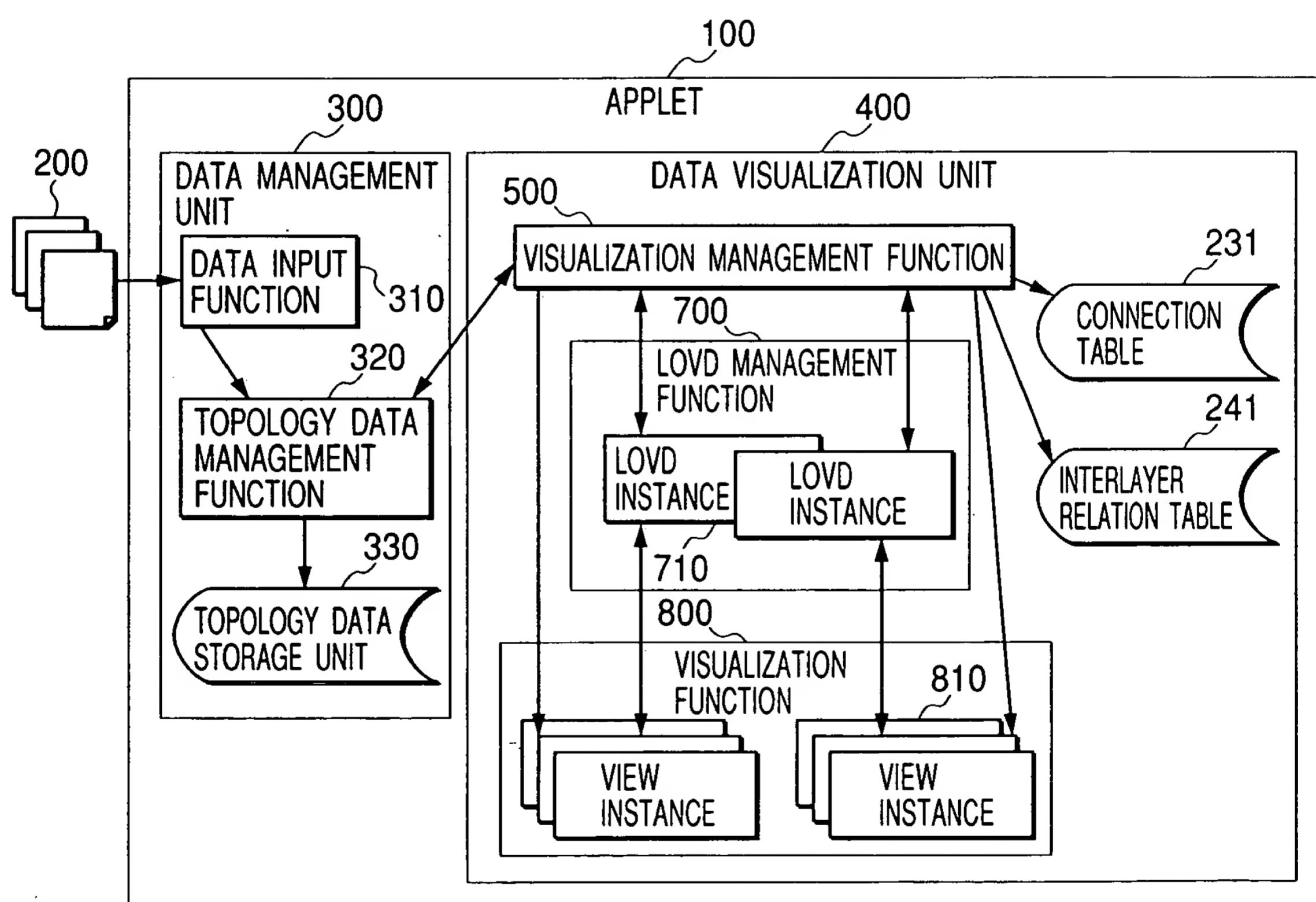


FIG. 17

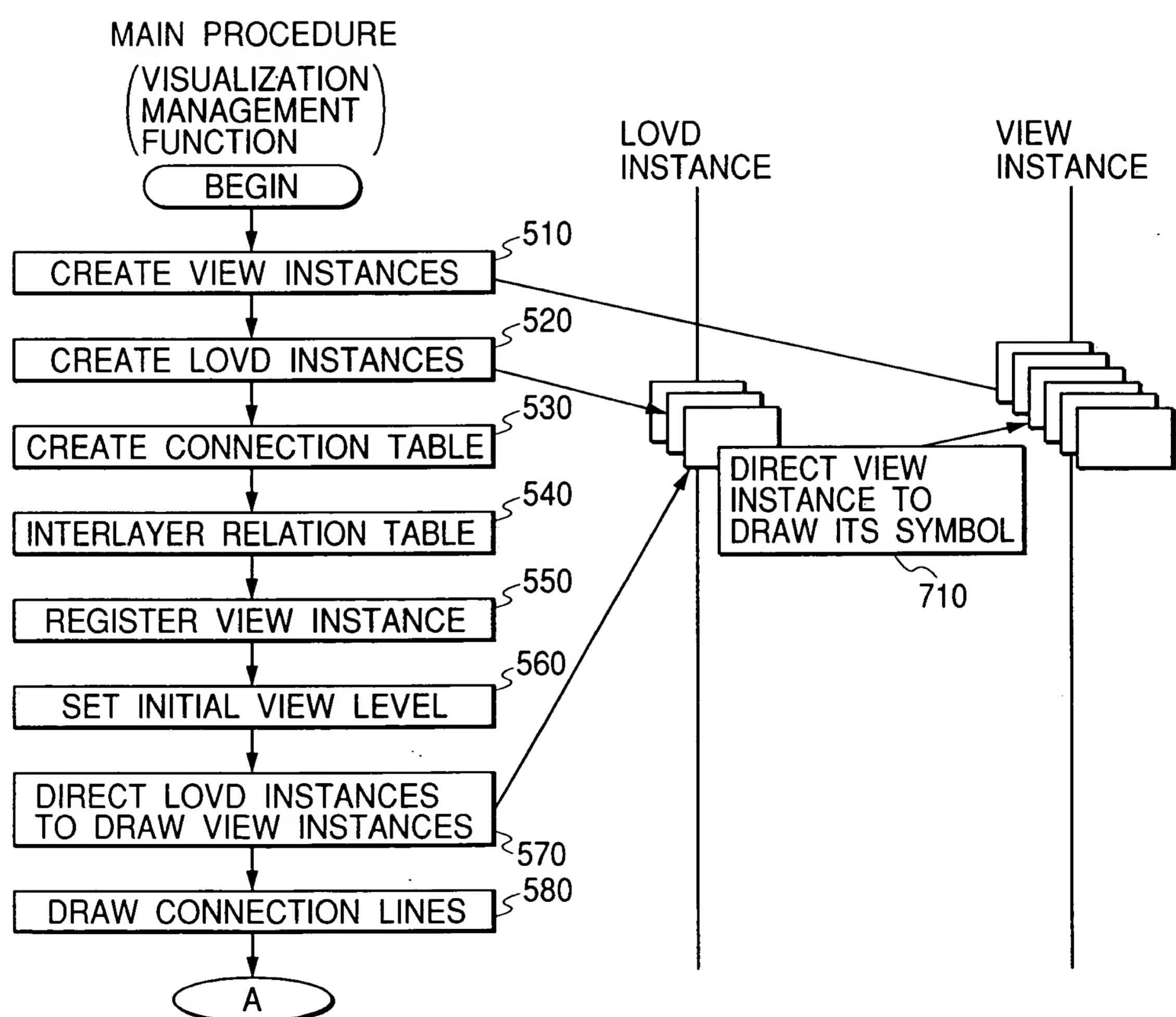


FIG. 18

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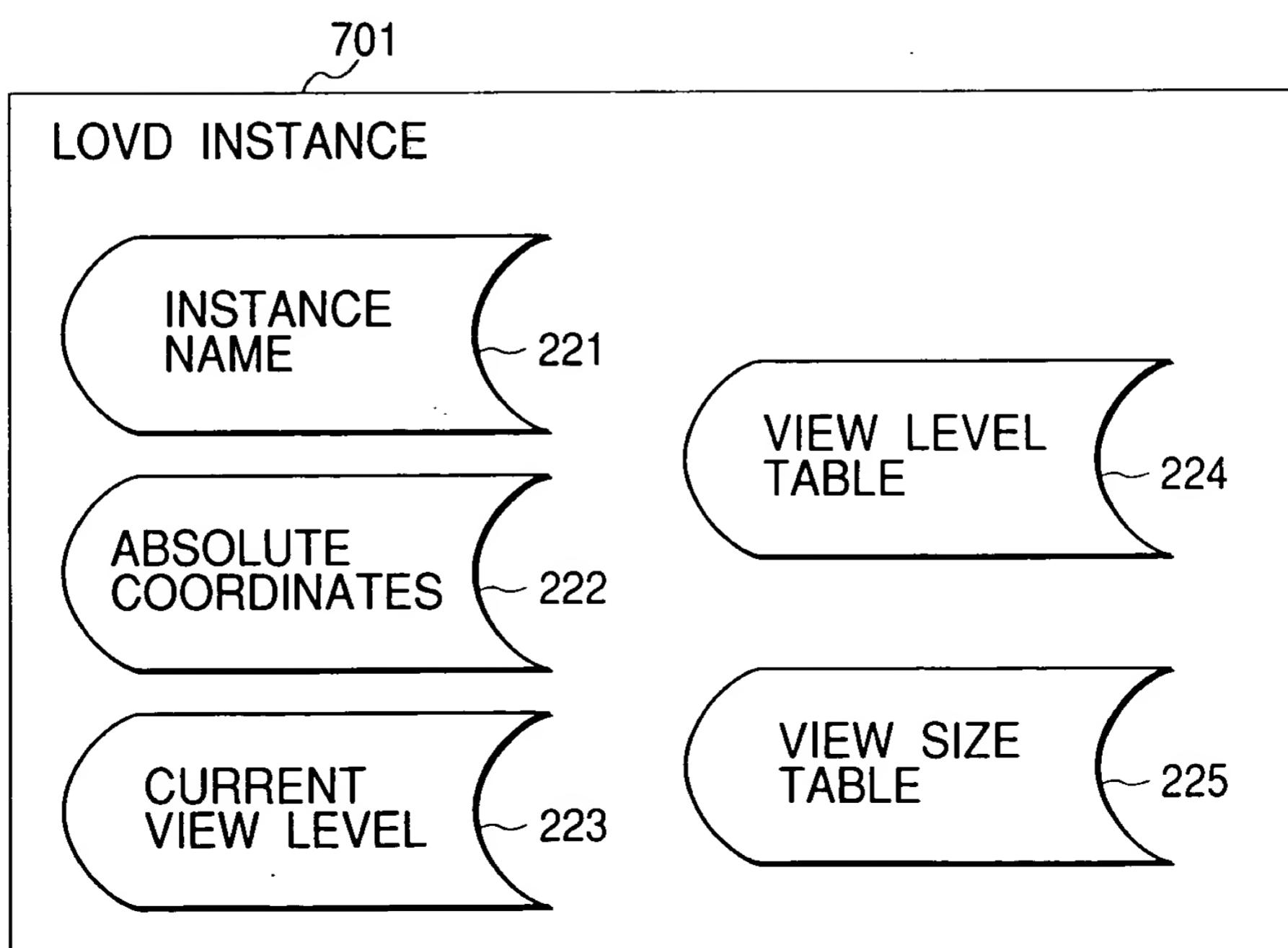
VIEW INSTANCE	VIEW INSTANCE
A-relay801	netA831
A-relay801	netB841
B-relay811	netA831
B-relay811	netC851
C-relay821	netB841
C-relay821	netC851
atm-sw803	netA831
atm-sw803	netB841
atm-sw813	netA831
atm-sw813	netC851
atm-sw823	netB841
atm-sw823	netC851
router804	atm-sw803
router814	atm-sw813
A-relay805	netB841
router804	netA834
router814	netA834

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FIG. 19

PARENT INSTANCE	CHILD INSTANCE
netA834	atm-sw803
netA834	netB841
netA834	atm-sw823
netA834	netC851
netA834	atm-sw813

FIG. 20



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FIG. 21

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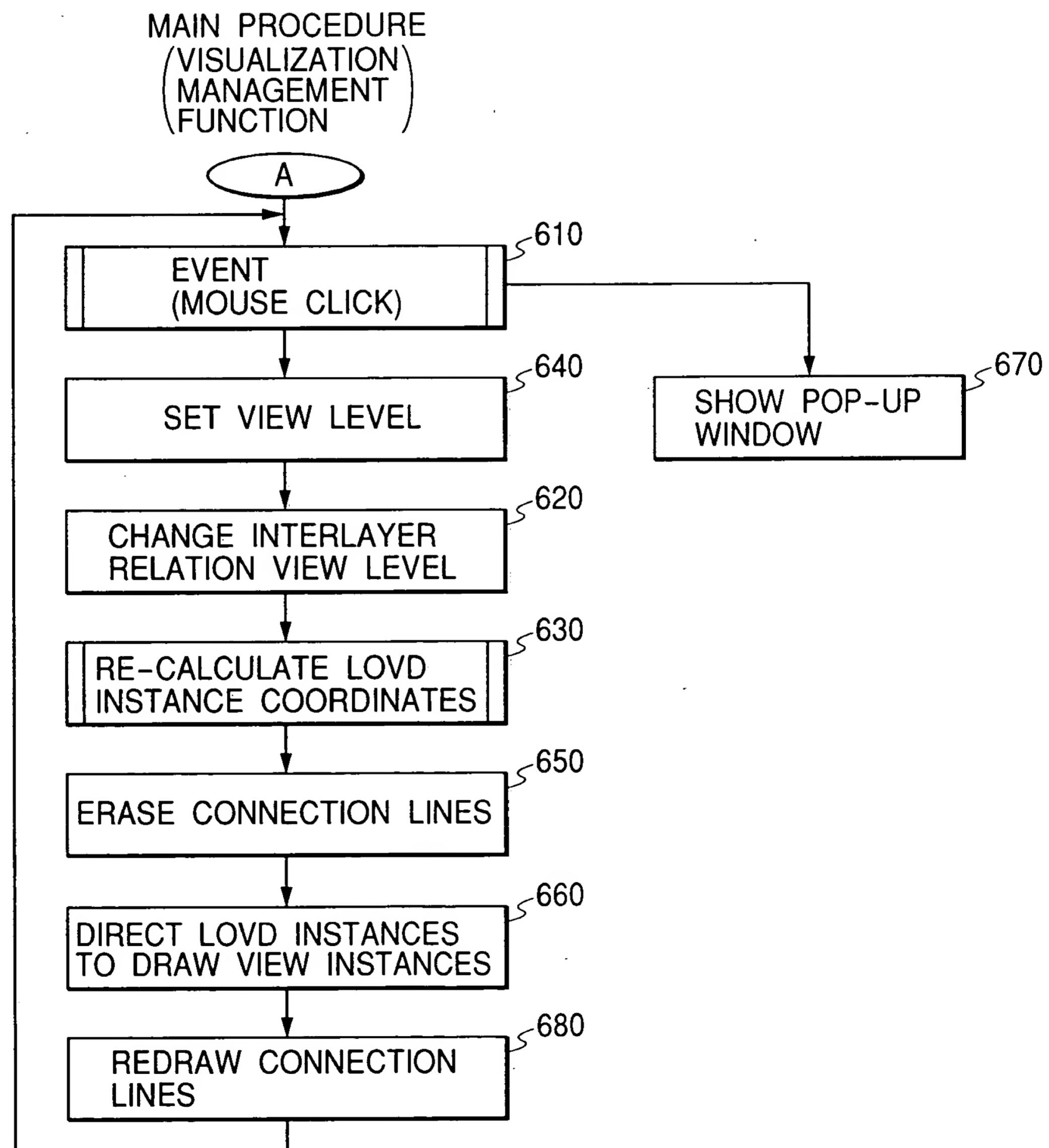
VIEW LEVEL	VIEW INSTANCE
1	A-relay801
2	A-relay802
2	router804
2	atm-sw803
3	A-relay805
3	router804

FIG. 22

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VIEW LEVEL	WIDTH	HEIGHT
1	30	30
2	100	100
3	60	50

FIG. 23



*FIG. 24*

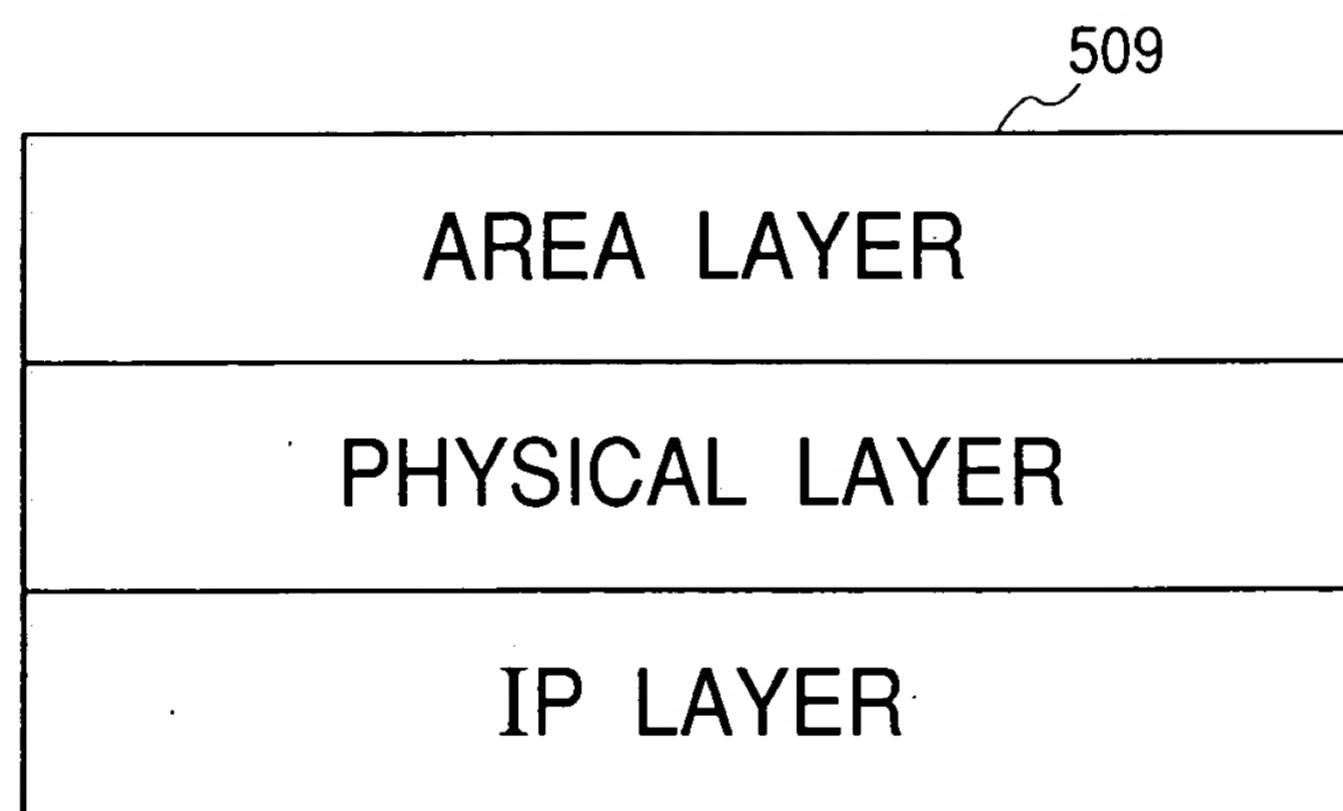


FIG. 25

## LOVD INSTANCE COORDINATES RE-CALCULATION

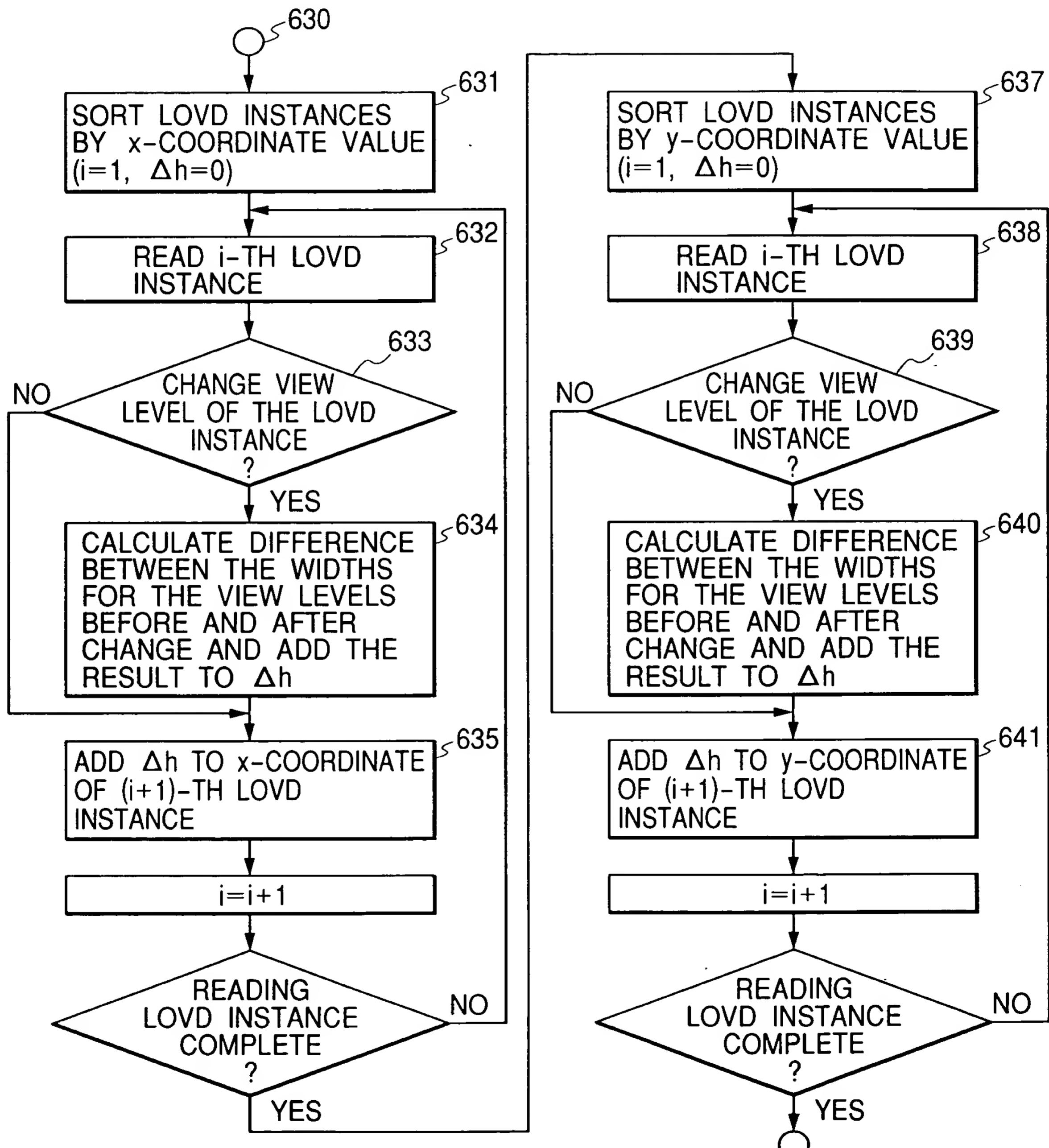


FIG. 26

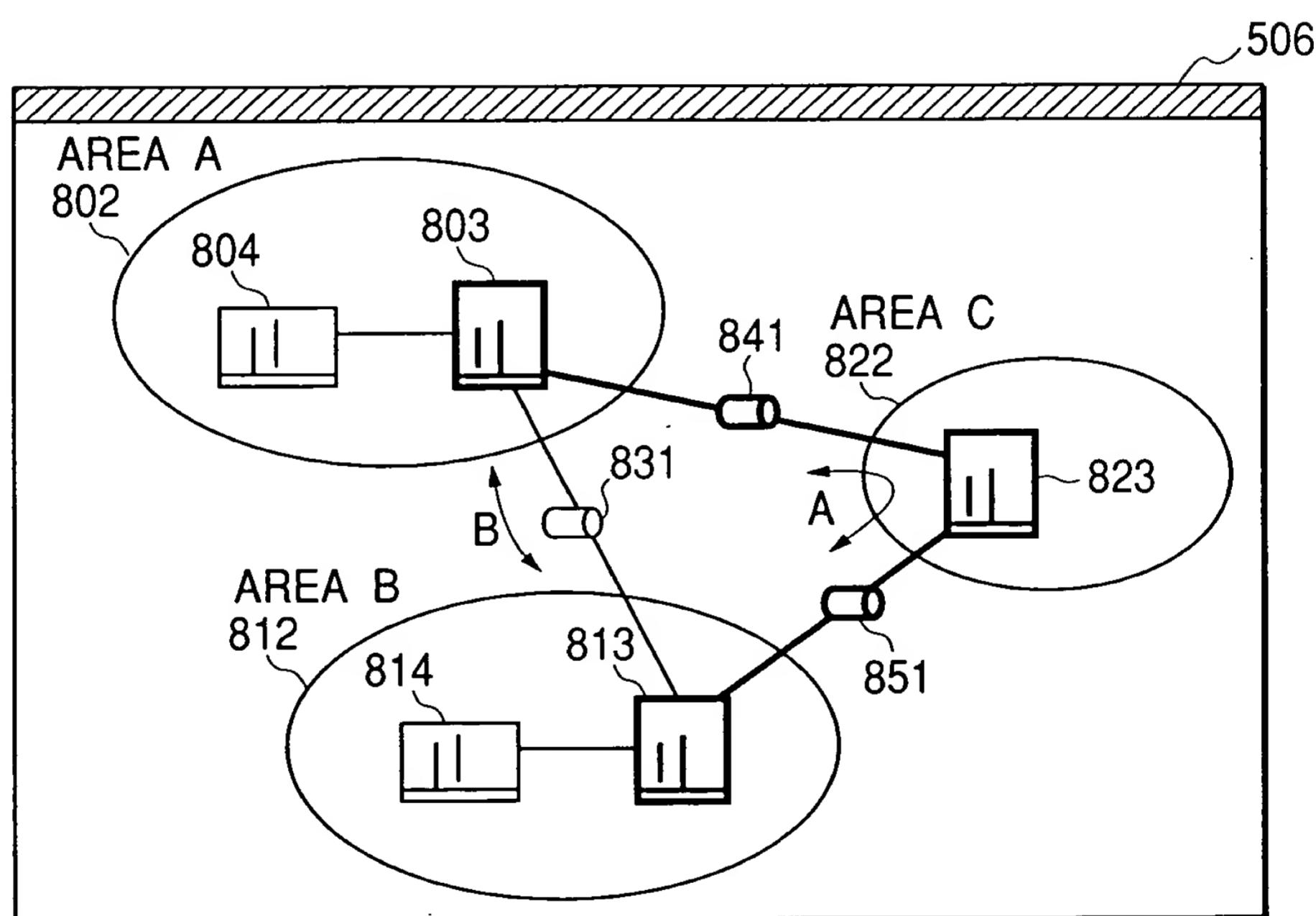
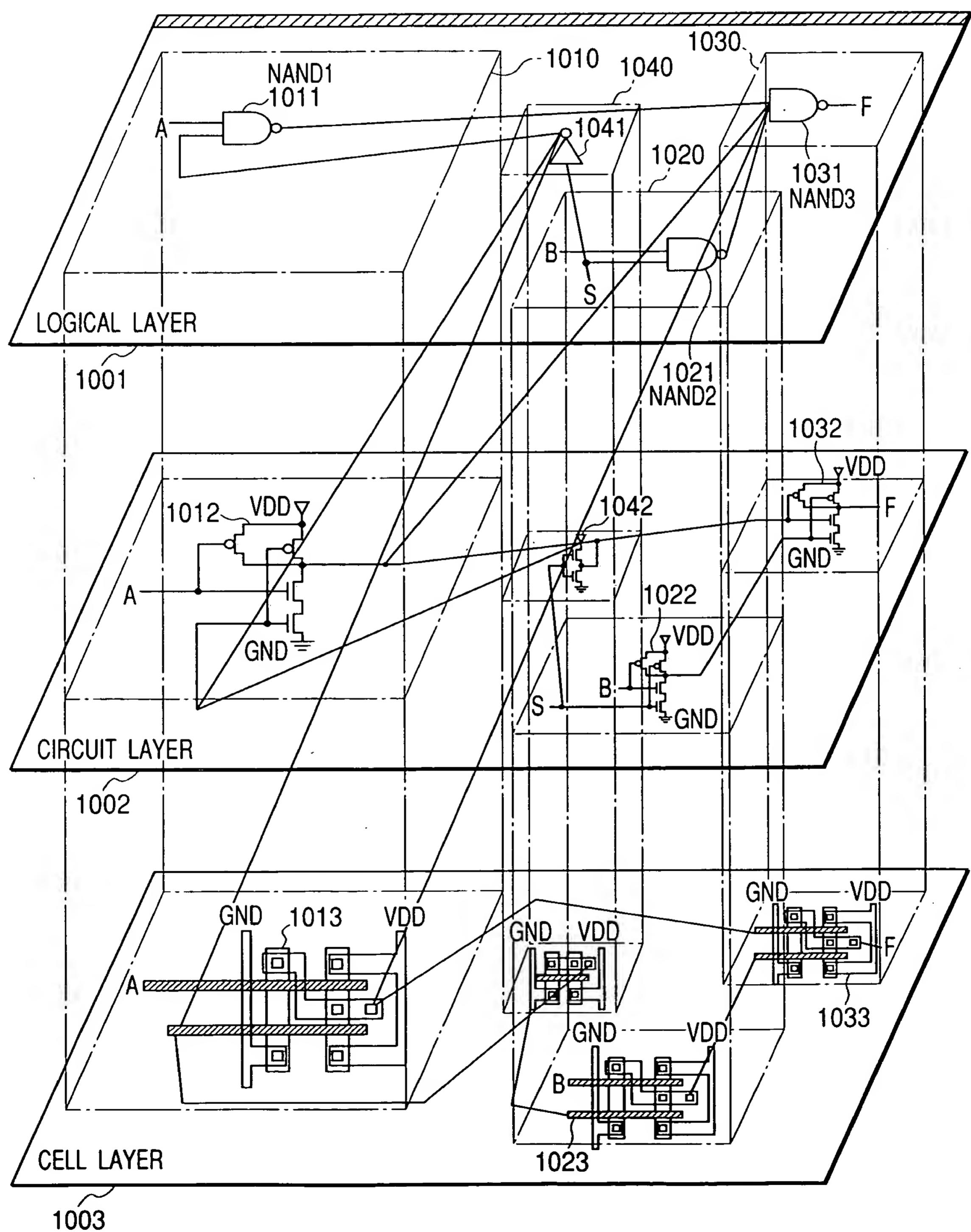


FIG. 27



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FIG. 28

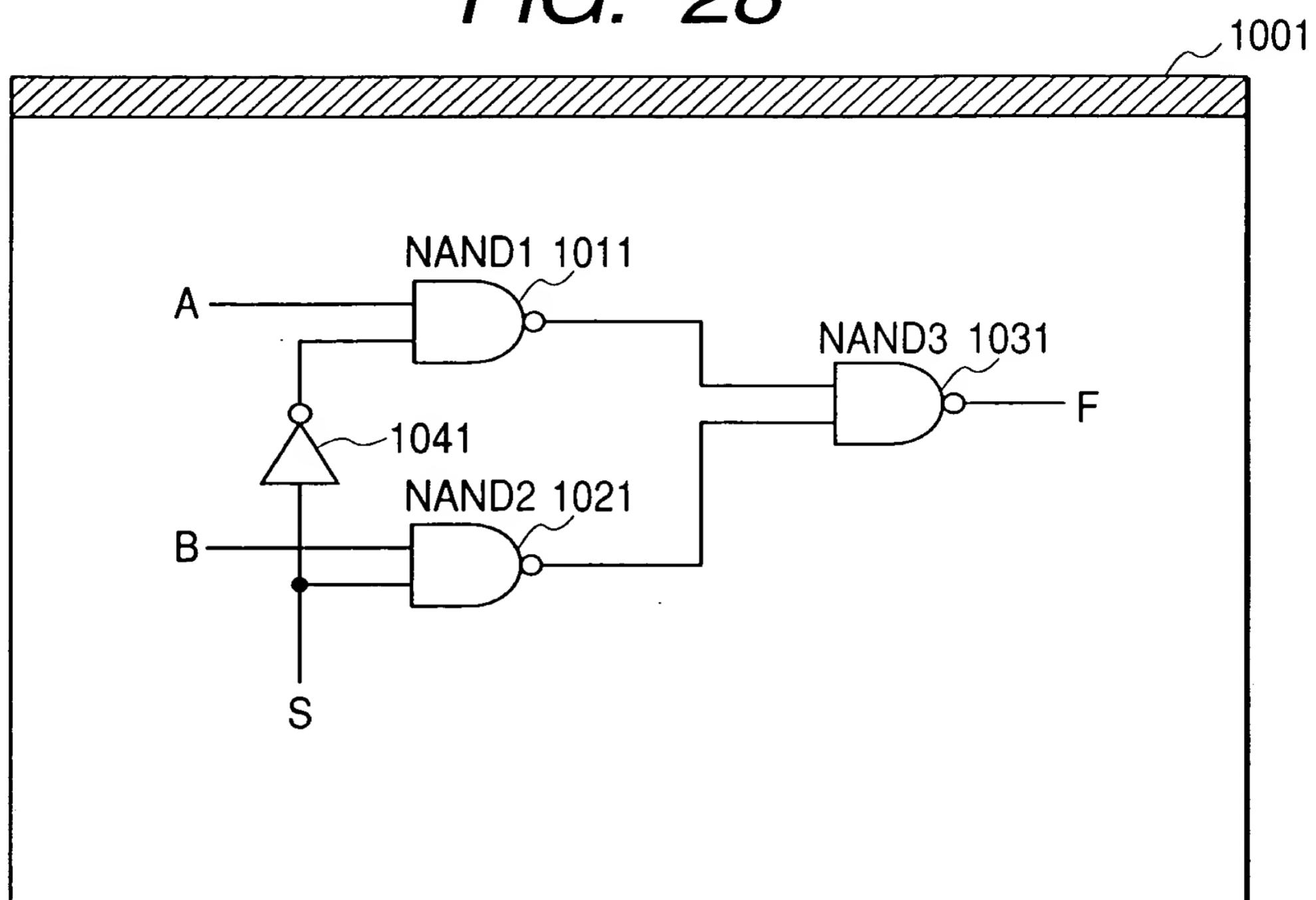
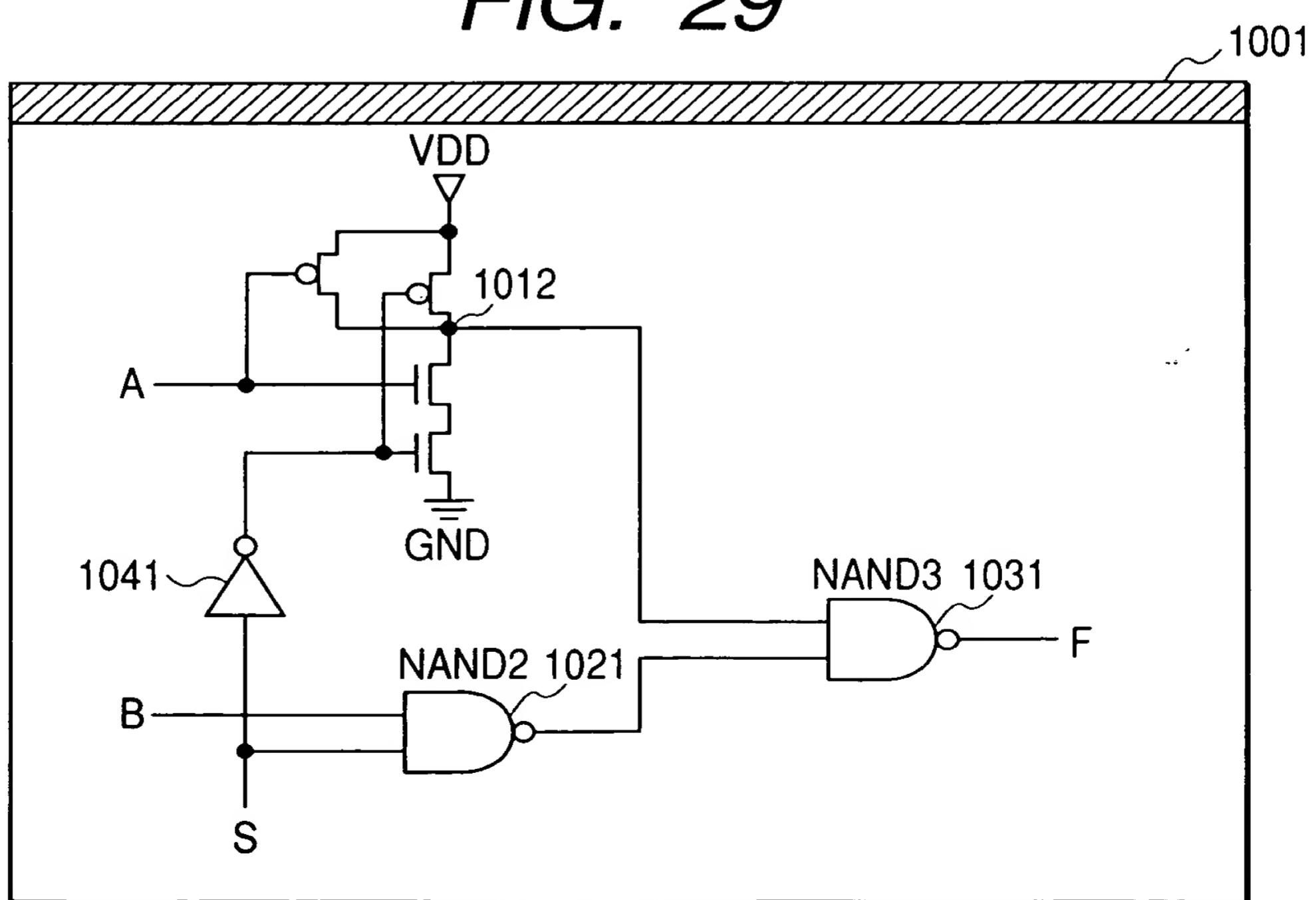


FIG. 29



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FIG. 30

